

FIG. 1

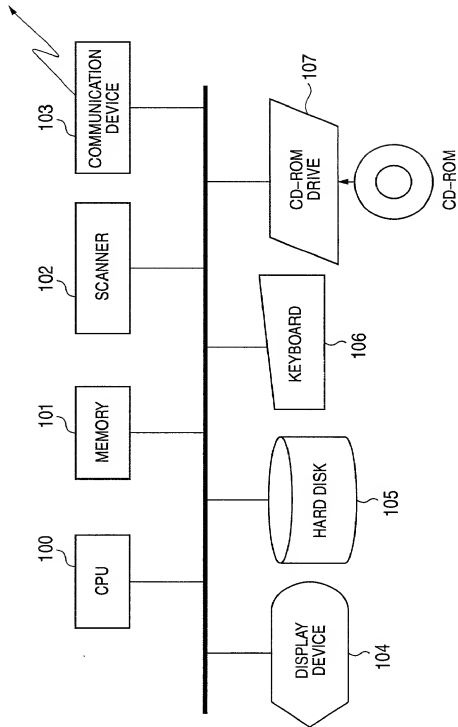


FIG. 2

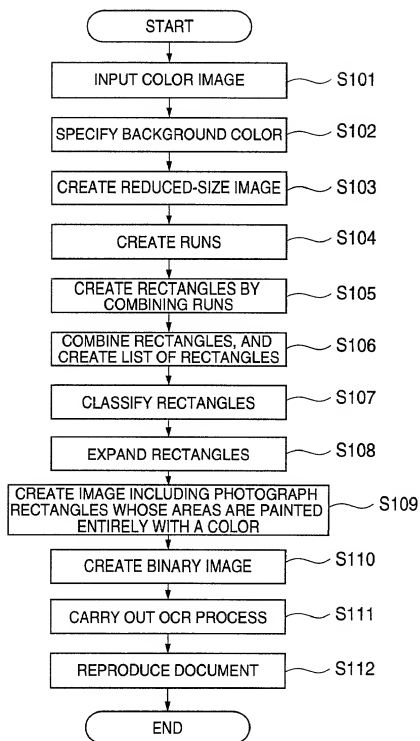


FIG. 3

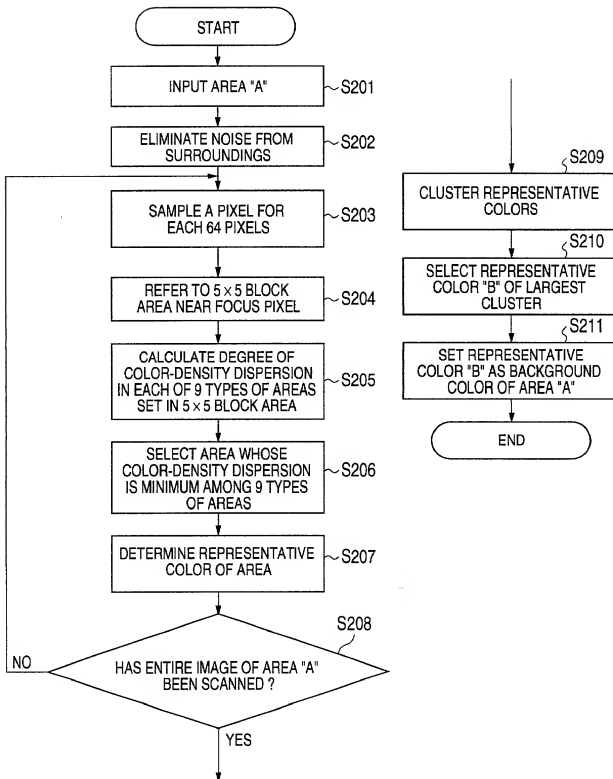


FIG. 4

| area0 | area1 | area2 | area3 | area4 | area5 | area6 | area7 | area8 |
|--------|-------|--------|-------|--------|--------|-------|--------|-------|
| 00... | ..11 | .... | .... | .44. | .... | .... | .... | .... |
| 000.. | ..111 | .... | .... | .444. | 55... | ..66 | .... | .888. |
| .0P... | ..P1. | .2P... | ..P3. | ..P... | 55P... | ..P66 | ..P... | .8P8. |
| ..... | ..... | 222.. | ..333 | ..... | 55... | ..66 | .777. | .888. |
| ..... | ..... | 22... | ..33 | ..... | ..... | ..... | .777. | ..... |

P : CENTER OF 5×5 BLOCK AREA
. : POINT OUTSIDE EACH AREA (area n(=0...8))
n : POINT INSIDE EACH AREA (n=0...8)

FIG. 5

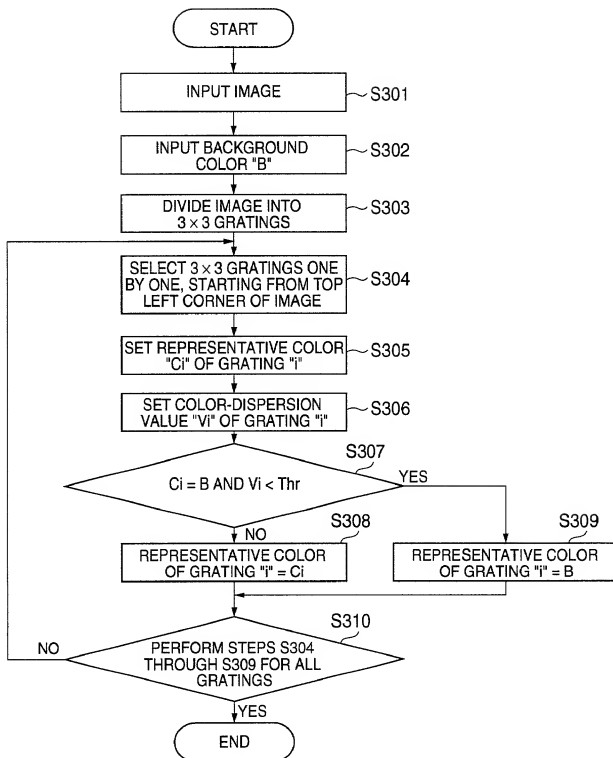


FIG. 6A

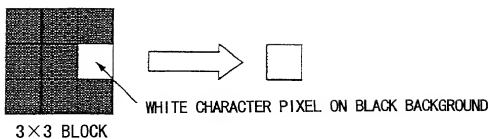


FIG. 6B

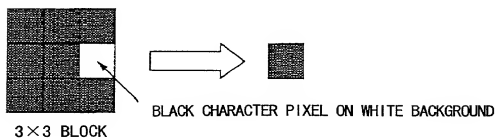


FIG. 7

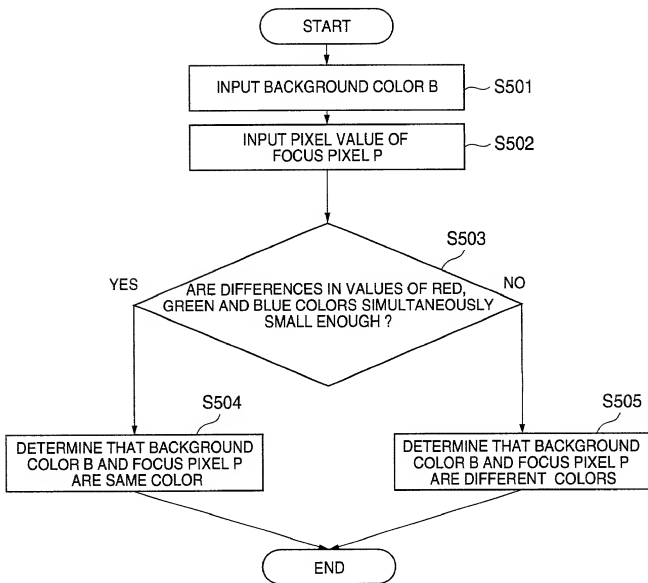


FIG. 8

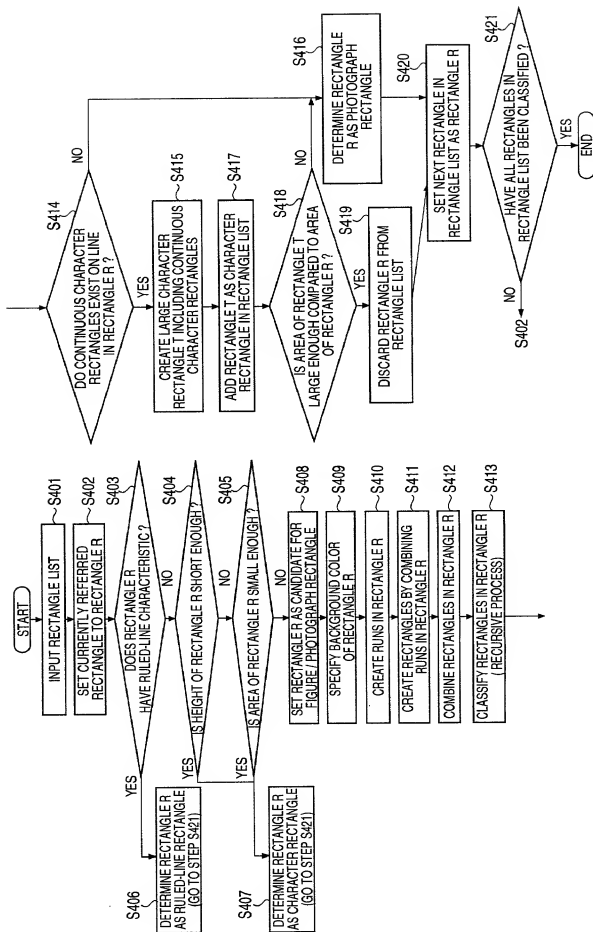


FIG. 9

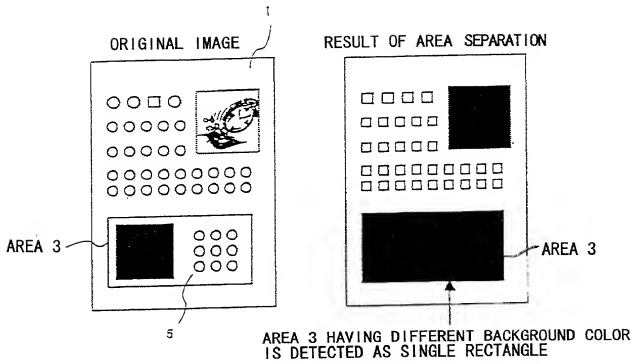


FIG. 10

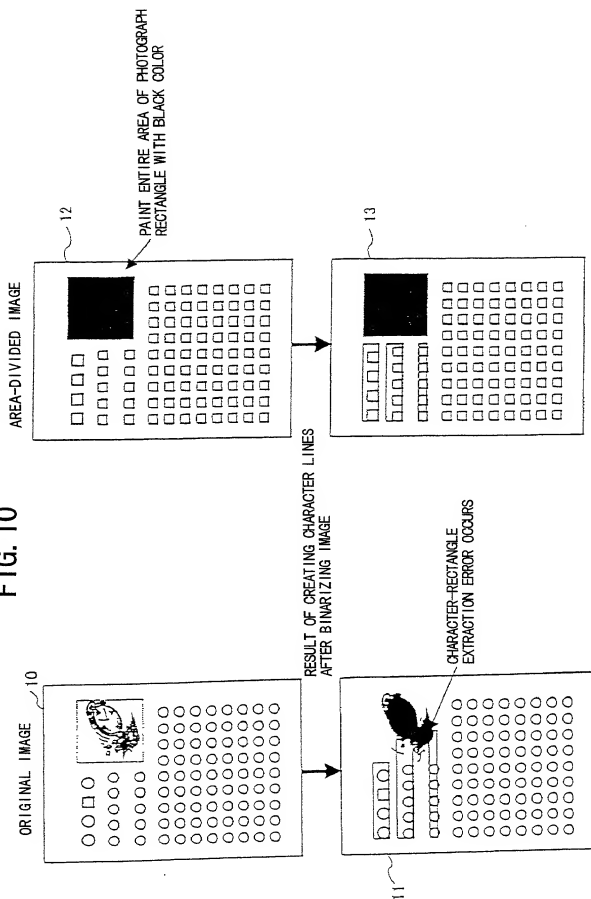
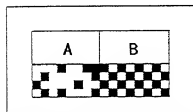
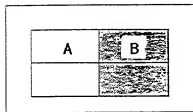


FIG. 11

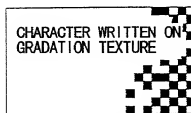
ORIGINAL IMAGE
(EACH CELL IS SEPARATED BY COLOR)



RESULT OF BINARIZING ORIGINAL IMAGE
BY ANALYZING EACH AREA

FIG. 12

ORIGINAL IMAGE
(GRADATION TEXTURE)



RESULT OF BINARIZING ORIGINAL IMAGE
BY ANALYZING EACH AREA

FIG. 13

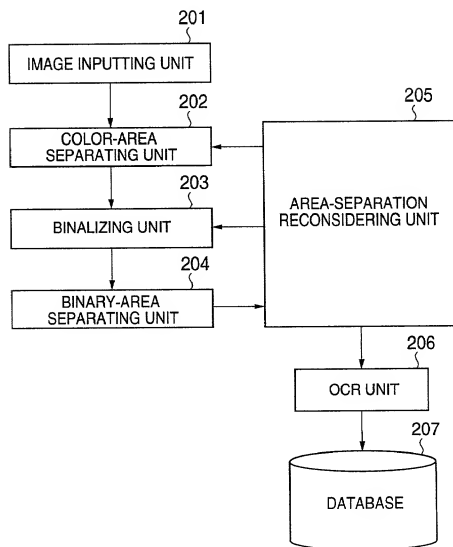


FIG. 14

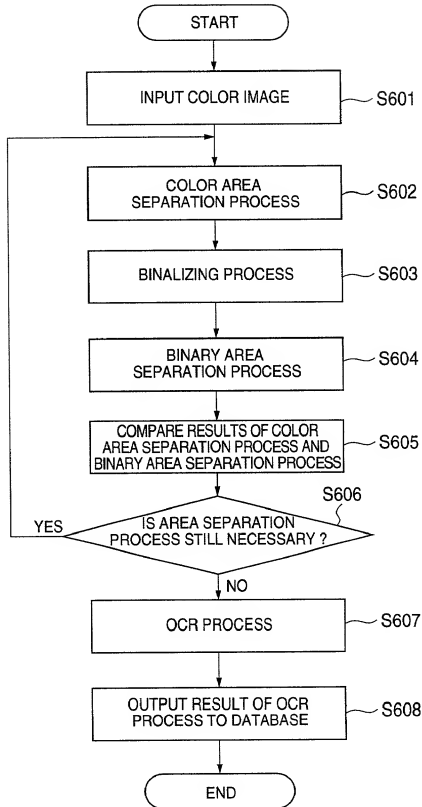


FIG. 15

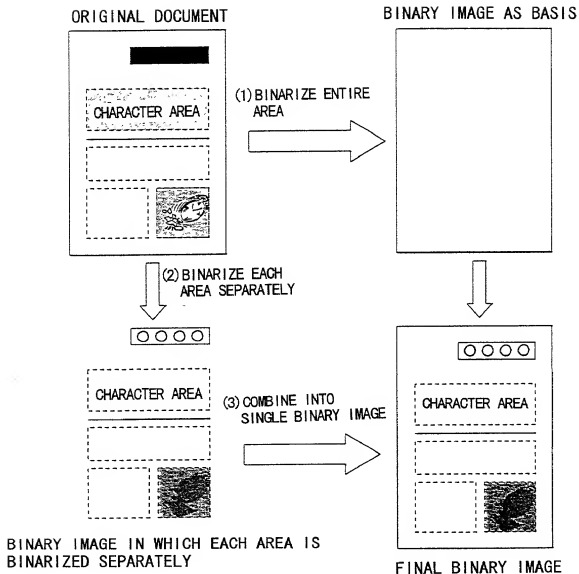


FIG. 16

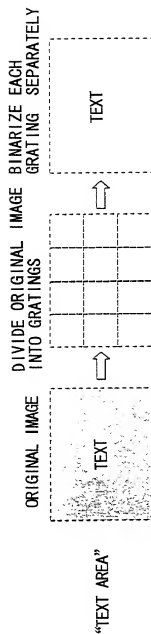


FIG. 17

| WIDTH OF AREA | WIDTH OF GRATING |
|---------------|------------------|
| 512 | 32 |
| 1024 | 64 |
| 2048 OVER | 128 |

FIG. 18

ORIGINAL IMAGE

COURSE

RESULT OF COLOR AREA
SEPARATION PROCESS

COURSE

RESULT OF BINARY AREA
SEPARATION PROCESS

COURSE

FIG. 19

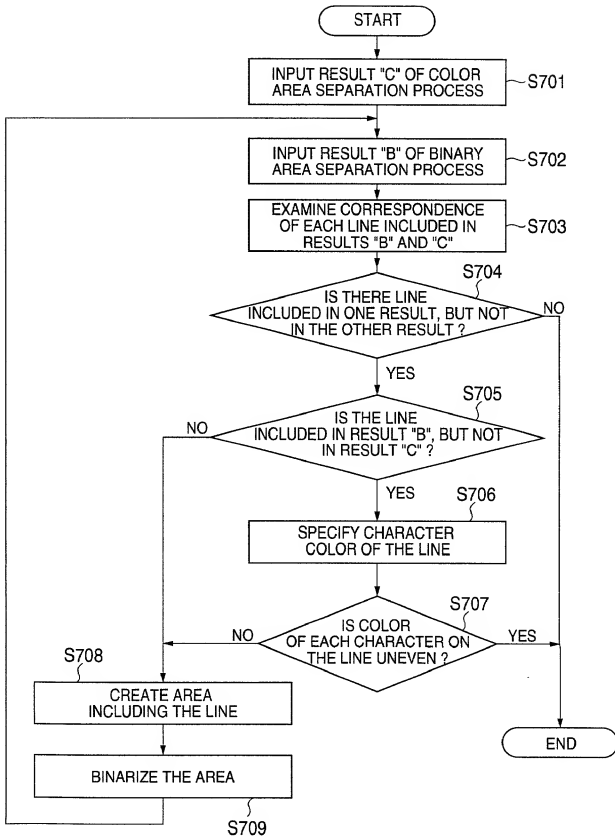
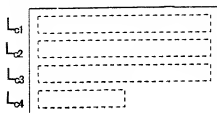


FIG. 20A

RESULT OF COLOR AREA SEPARATION PROCESS





AREA RECTANGLE 
TEXT RECTANGLE 

FIG. 20B

RESULT OF BINARY AREA SEPARATION PROCESS

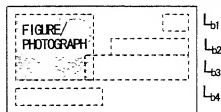


FIG. 21

